


Search Notes 	Application/Control No. 09560723	Applicant(s)/Patent Under Reexamination WATANABE, SHIGEKI
	Examiner Kim, David S	Art Unit 2633

Notes	Date	Examiner
EAST search - see search history printout	2/22/2006	DSK, 2/23/06, 3/6/06
text search in class/subclass 372/94	2/23/2006	DSK
www.google.com - various combinations of the following search terms: mode-locked modelocked mode-locking fwm four-wave mixing am modulator nonlinear clock recovery injection synchronous laser cross phase modulation kerr fiber xpm cpm degenerate phase matching	2/22/2006	DSK, 2/23/06, 3/2/06, 3/6/06
scholar.google.com - various combinations of the following search terms: mode-locked modelocked mode-locking fwm four-wave mixing spm xpm cpm self-phase cross-phase cgm cross-gain active gain modulation watanabe phase conjugate clock recovery degenerate xpm dfwm	2/22/2006	DSK, 2/23/06, 3/6/06
ieeexplore.ieee.org - combination of the following search terms: mode-lock* modelock* mode lock* fwm four wave	2/23/2006	DSK
consulted with Examiner James Menefee about mode-locking lasers by using four-wave mixing - although he was familiar with different ways for mode-locking lasers, he was unfamiliar with the use of four-wave mixing for mode-locking lasers	2/23/2006	DSK
U.S. Patent and Trademark Office		Part of Paper No.: 03022006